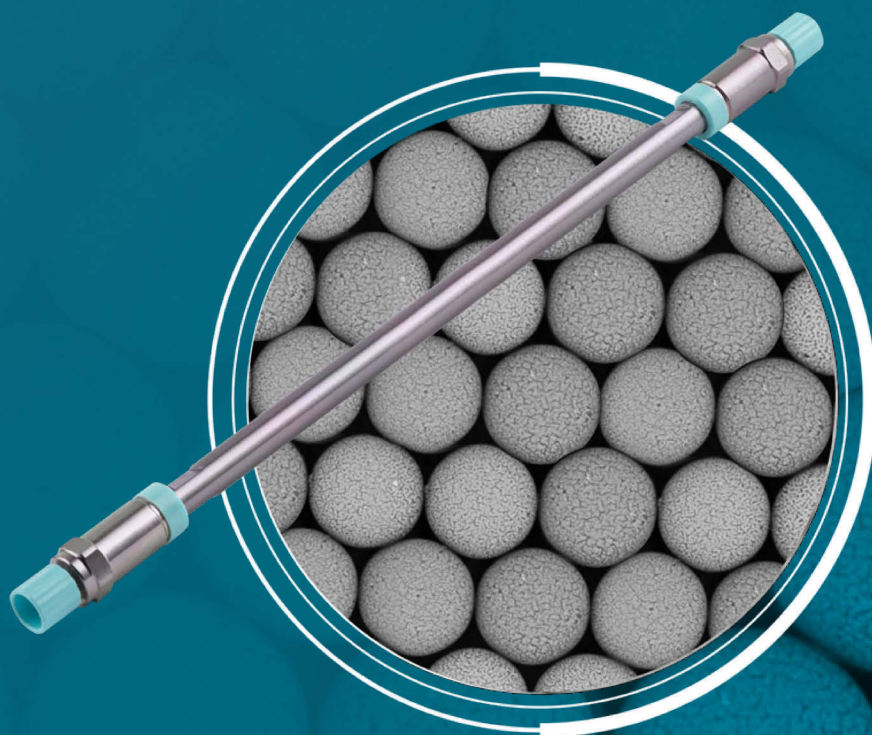




LC-UV and LC-MS

SurePac Protein RP MDi HPLC Columns

Reproducible LC-UV and LC-MS performance for therapeutic protein

Designed for advanced protein characterization and QC workflows

For scientists developing, characterizing, and monitoring therapeutic proteins—including monoclonal antibodies, subunits, and antibody-drug conjugates—across analytical development and QC environments, Thermo Scientific™ SurePac™ Protein RP MDi™ Columns deliver high-resolution, reproducible separations that remain stable and consistent under the elevated temperatures commonly used for protein characterization by LC-MS.

Key benefits

Superior thermal stability

Engineered to maintain performance at elevated temperatures commonly used to optimize peak shape in LC-MS workflows.

Consistent, reproducible separations

Sustained resolution stability and consistent retention behavior across columns and over extended use.

Robust polymer-based technology

Monodisperse polymeric particles provide enhanced chemical durability and thermal resistance.

Reliable LC-MS performance

Supports intact mass analysis, subunit characterization, drug-to-antibody ratio (DAR) profiling, and batch comparability.

Long-term column durability

Designed for extended operational life without compromising chromatographic performance.

Technology overview

SurePac Protein RP MDi columns are packed in inert hardware and built on monodisperse polymeric particle technology engineered for high efficiency and chemical robustness.

Unlike traditional bonded silica-based reversed-phase platforms, polymeric MDi technology delivers:

- Enhanced resistance to high-temperature operation
- Improved stability across a wide pH range
- Reduced performance drift over extended LC-MS use
- Designed to support evolving protein modalities

This forward-looking design supports both advanced LC-MS characterization and routine QC analysis with confidence.

Available configurations

Part No.	Product description	Particle size	Column dimensions
43722-022132	SurePac Protein RP MDi HPLC column	2.5 µm	2.1 x 20 mm
43722-052132	SurePac Protein RP MDi HPLC column	2.5 µm	2.1 x 50 mm
43722-102132	SurePac Protein RP MDi HPLC column	2.5 µm	2.1 x 100 mm
43722-050332	SurePac Protein RP MDi HPLC column	2.5 µm	0.3 x 50 mm

Move toward more robust protein LC-MS

Enable high-efficiency separations, consistent performance, and long-term stability in both development and QC laboratories.

SurePac Protein RP MDi columns can strengthen your protein analysis workflow.

 Learn more at thermofisher.com/mdi

General Laboratory Equipment – Not For Diagnostic Procedures. Thermo Scientific™ general lab equipment, consumables, and software are not intended for *in vitro* diagnostic purposes in accordance with our product documentation, manuals, and labels. They are designated for General Laboratory Use Only. Not for use in diagnostic procedures. These products have not been tested or validated for such applications, and their use for *in vitro* diagnostic purposes may result in inaccurate results and, more seriously, health and safety risks. They are designated (designed, intended) for research, academic and industrial purposes.

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